

DeltaV™ Bulk Power Supplies



DeltaV™ 5A, 10A, 16A, 20A, 40A Bulk Power Supplies.



DeltaV 20A, 40A and 80A Bulk Power Supply Redundancy Modules.

- Easy to use
- Improved availability
- Flexible and cost effective
- Small footprint

Introduction

Power — your system won't operate without it. DeltaV™ Bulk Power Supplies offer you the *most efficient and reliable power solution* for your money. The DeltaV Bulk Power Supply suite provides power to the system electronics and to the field. This is all the power required for your DeltaV system.

Benefits

Easy to Use. The DeltaV Bulk Power Supplies provide reliable 12 and 24V DC power for your DeltaV system power and bussed field power needs. They mount easily onto a T-type DIN rail—*easy!*

Improved Availability. Redundancy modules based on active MOSFET technology offer significantly higher efficiencies and lower voltage drop than traditional diode based modules, leading to less heat dissipation and better system reliability.

Flexible and Cost Effective. The DeltaV Bulk Power Supplies are flexible to use and cost effective, as external redundancy modules can be applied, for example, if load sharing is desired. Models are available both with and without conformal coating.

Small Footprint. The DeltaV Bulk Power Supplies provide very competitive small footprints!

Hardware Specifications

Common Environmental Specifications*	
Operational Temperature**	-40 to + 70°C (-40 to 158°F) with linear derating to 75% power from 60 to 70°C
Storage Temperature	-40 to + 85°C (-40 to 185°F)
Relative Humidity	5 to 95%, non-condensing
Protection Rating	IP20
Airborne Contaminants	ISA-S71.04-1985 airborne contaminants class G3, Conformal coating***
Shock	10(g) RMS, three axes, 11ms for each axis
Vibration	2.5(g) RMS, 10-2000 Hz (random); three axes for 20 minutes each – IEC 60068-2-6
Mounting	Mount only on horizontally-oriented DIN Rail, with label text right-side up

*VE5139 and VE5140 have different environmental specs, see specifications for those models below.

Operating any electronics at the higher end of its temperature range for long periods of time will shorten its expected lifetime, see **Effects of Heat and Airflow Inside an Enclosure White Paper for more information.

***Only applies to conformal coated models, see ordering information for more details.

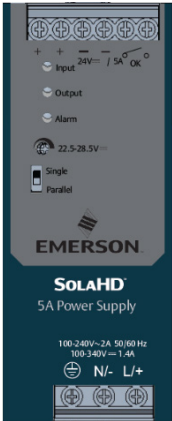
Certificates and Compliances*	 Listed, Ind. Control Equipment, E61379 – UL 508, CSA C22.2 No 107.1  UL Recognized Component, ITE, E137632 – UL 60950-1/CSA C22.2 No. 60950-1, 2nd Edition  Low Voltage Directive – IEC/EN60950-1, 2nd Edition  UL Recognized Component, Haz. Loc., E234790 – UL60079-15/CSA E60079-15 – Class I, Div 2, Ex nA nC IIC  ATEX Directive – EN60079-0, EN60079-7, EN60079-15 –  II 3 G, Ex ec nC IIC Gc IECEx Certified – IEC 60079-0, IEC 60079-7, IEC 60079-15 – Ex ec nC IIC Gc – ExEAC TR CU 012/2011 Safety of Equipment intended for Explosive Atmospheres  ABS Type Approval –  DNV-GL Type Approval
-------------------------------	--

*Refer to user manual for installation requirements when used in hazardous locations. VE5139 and VE5140 doesn't have hazardous area or marine certifications.

DeltaV™ Bulk Power Supply 100-240 V AC to 24V DC, 5A

Description	DeltaV™ Bulk AC to 24V DC, 5A Power Supply Specifications
Output Voltage	24V DC
Output Voltage Adjustment Range	23.5 – 28.5V DC
General Protection/Safety	Output is SELV (Safety Extra Low Voltage)
Output Current	5A 1.5 × Nominal Current for > 4 seconds minimum while holding voltage > 20V DC
Output Power	120 W 180 W for 4 seconds minimum while holding voltage > 20V DC
Output Ripple	Typ. < 50 mV peak-to-peak from 0Hz to 20MHz
Output Hold-up Time	>20 ms (Full load, 100-230 V AC Input @ Tamb=+25°C) to 95% output voltage
AC Input Voltage	100-240 V nominal (85 – 264 V range)
AC Mains Frequency	43-67 Hz
AC Input Current	1.65 A at 85V AC 0.55 A at 264V AC
AC Power Factor Correction	Active power factor correction typ. 0.98 @ 115V AC/0.92 @ 230V AC
AC Inrush Current	Typ. <3.7A at 120V AC, < 7.4A at 230V AC, measured at 25°C, Typ. <5 milliseconds
AC Efficiency	> 88% typ.
AC Losses	14 W typ.
DC Input Voltage	100-340V nominal (90-375V range)
DC Input Current	1.65 at 90V DC 0.55 A at 375V DC

Description	DeltaV Bulk AC to 24V DC, 5A Power Supply Specifications
Input Protection	Internally fused, non-replaceable fuses. Note: The internal fuse is for an internal fault condition only. Shorts and overload will not cause the fuse to fail.
Alarm Relay Contact Rating	N.O. contact rated 200mA/50V DC, Signal Active when Vout> 18.5V DC +/-5%
Dimensions	Height: 123 mm (4.85 in) Width: 50 mm (1.97 in) Depth: 110 mm (4.36 in)
Weight	1.3 lb (0.6 kg)
Free Spacing	Above & Below 25 mm (0.98 in) Left & Right 10 mm (0.39 in) Front 15 mm (0.59 in)



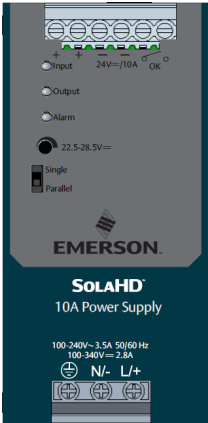
Terminals and Wiring

	Input Screw-Type Terminals	Output Screw-Type Terminals	DC-OK-Signal Screw-Type Terminals
Solid & Stranded Wire	1.5-6 mm ² 16-10 AWG	1.5-6 mm ² 16-10 AWG	1.5-6 mm ² 16-10 AWG
Screw Torque	4.4 lb-in (50 N-cm)	6 lb-in (68 N-cm)	6 lb-in (68 N-cm)

DeltaV Bulk Power Supply 100-240 V AC to 24V DC, 10A

Description	DeltaV Bulk AC to 24V DC, 10A Power Supply Specifications
Output Voltage	24V DC
Output Voltage Adjustment Range	23.5 – 28.5V DC
General Protection/Safety	Output is SELV (Safety Extra Low Voltage)
Output Current	10A 1.5 × Nominal Current for > 4 seconds minimum while holding voltage > 20V DC
Output Power	240 W 360 W for 4 seconds minimum while holding voltage > 20V DC
Output Ripple	Typ. < 50 mV peak-to-peak from 0Hz to 20MHz
Output Hold-up Time	>20 ms (Full load, 100-230V AC Input @ Tamb=+25°C) to 95% output voltage
AC Input Voltage	100-240V nominal (85 – 264 V range)
AC Mains Frequency	43-67 Hz
AC Input Current	3.2 A at 85V AC 1.0 A at 264V AC
AC Power Factor Correction	Active power factor correction typ. 0.98 @ 115V AC/0.92 @ 230V AC
AC Inrush Current	Typ. <12.7A at 120 V AC, < 24.8A at 230V AC, measured at 25°C, Typ. <5 milliseconds
AC Efficiency	> 90% typ.
AC Losses	24 W typ.
DC Input Voltage	100 – 340 V nominal (90-375 V range)
DC Input Current	3.2 at 90V DC 1.0 A at 37V DC

Description	DeltaV Bulk AC to 24V DC, 10A Power Supply Specifications
Input Protection	Internally fused, non-replaceable fuses. Note: The internal fuse is for an internal fault condition only. Shorts and overload will not cause the fuse to fail.
Alarm Relay Contact Rating	N.O. contact rated 200mA/50 V DC, Signal Active when Vout> 18.5 V DC +/-5%
Dimensions	Height: 123 mm (4.85 in) Width: 60 mm (2.36 in) Depth: 110 mm (4.36 in)
Weight	1.7 lb (0.8 kg)
Free Spacing	Above & Below 25 mm (0.98 in) Left & Right 10 mm (0.39 in) Front 15 mm (0.59 in)



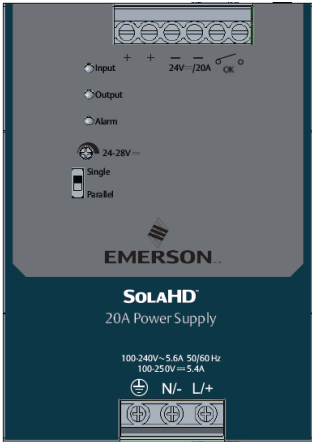
Terminals and Wiring

	Input Screw-Type Terminals	Output Screw-Type Terminals	DC-OK-Signal Screw-Type Terminals
Solid & Stranded Wire	1.5-6 mm ² 16-10 AWG	1.5-6 mm ² 16-10 AWG	1.5-6 mm ² 16-10 AWG
Screw Torque	4.4 lb-in (50 N-cm)	6 lb-in (68 N-cm)	6 lb-in (68 N-cm)

DeltaV Bulk Power Supply 100-240 V AC to 24V DC, 20A

Description	DeltaV Bulk AC to 24V DC, 20A Power Supply Specifications
Output Voltage	24V DC
Output Voltage Adjustment Range	23.5-28.5V DC
General Protection/Safety	Output is SELV (Safety Extra Low Voltage)
Output Current	20A 1.5 × Nominal Current for > 4 seconds minimum while holding voltage > 20V DC
Output Power	480 W 720 W for 4 seconds minimum while holding voltage > 20V DC
Output Ripple	Typ. < 100 mV peak-to-peak from 0Hz to 20MHz
Output Hold-up Time	>20 ms (Full load, 100-230 V AC Input @ Tamb=+25°C) to 95% output voltage
AC Input Voltage	100-240V nominal (85 – 264 V range)
AC Mains Frequency	43-67 Hz
AC Input Current	6 A at 85V AC 3 A at 264V AC
AC Power Factor Correction	Active power factor correction typ. 0.98 @ 115V AC/0.92 @ 230V AC
AC Inrush Current	Typ. <5.8A at 120V AC, < 11.5A at 230V AC, measured at 25°C, Typ. <5 milliseconds
AC Efficiency	> 92% typ.
AC Losses	38 W typ.
DC Input Voltage	100 – 250 V nominal (90-275 V range)
DC Input Current	6 A at 90V DC 3 A at 275V DC

Description	DeltaV Bulk AC to 24V DC, 20A Power Supply Specifications
Input Protection	Internally fused, non-replaceable fuses. Note: The internal fuse is for an internal fault condition only. Shorts and overload will not cause the fuse to fail.
Alarm Relay Contact Rating	N.O. contact rated 200mA/50 V DC, Signal Active when Vout> 18.5 V DC +/-5%
Dimensions	Height: 123 mm (4.85 in) Width: 87 mm (3.42 in) Depth: 127 mm (4.98 in)
Weight	3.0 lb (1.4 kg)
Free Spacing	Above & Below 40 mm (1.6 in) Left & Right 10 mm (0.39 in) Front 15 mm (0.59 in)



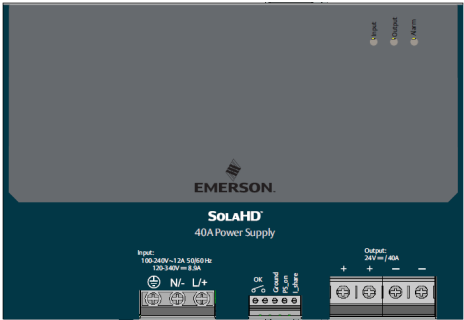
Terminals and Wiring

	Input Screw-Type Terminals	Output Screw-Type Terminals	DC-OK-Signal Screw-Type Terminals
Solid & Stranded Wire	1.5-6 mm ² 16-10 AWG	1.5-6 mm ² 16-10 AWG	1.5-6 mm ² 16-10 AWG
Screw Torque	4.4 lb-in (50 N-cm)	7 lb-in (80 N-cm)	7 lb-in (80 N-cm)

DeltaV Bulk Power Supply 100-240 V AC to 24V DC, 40A

Description	DeltaV Bulk AC to 24V DC, 20A Power Supply Specifications
Output Voltage	24V DC
Output Voltage Adjustment Range	23.5-28.5V DC
General Protection/Safety	Output is SELV (Safety Extra Low Voltage)
Output Current	40A 1.5 × Nominal Current for > 4 seconds minimum while holding voltage > 20V DC
Output Power	960 W 1,440 W for 4 seconds minimum while holding voltage > 20V DC
Output Ripple	Typ. < 200 mV peak-to-peak from 0Hz to 20MHz
Output Hold-up Time	>20 ms (Full load, 100-230 V AC Input @ Tamb=+25°C) to 95% output voltage
AC Input Voltage	100-240V nominal (85 – 264 V range)
AC Mains Frequency	43-67 Hz
AC Input Current	12 A at 85V AC 4 A at 264V AC
AC Power Factor Correction	Active power factor correction typ. 0.98 @ 115V AC/ 0.92 @ 230V AC
AC Inrush Current	Typ. <5.8A at 120V AC, < 11.5A at 230V AC, measured at 25°C, Typ. <5 milliseconds
AC Efficiency	> 93% typ.
AC Losses	67 W typ.
DC Input Voltage	120 – 340 V nominal (108-375 V range)
DC Input Current	12 A at 108V DC 4 A at 375V DC

Description	DeltaV Bulk AC to 24V DC, 20A Power Supply Specifications
Input Protection	Internally fused, non-replaceable fuses. Note: The internal fuse is for an internal fault condition only. Shorts and overload will not cause the fuse to fail.
Alarm Relay Contact Rating	N.O. contact rated 200mA/50 V DC, Signal Active when Vout> 18.5 V DC +/-5%
Dimensions	Height: 123 mm (4.85 in) Width: 87 mm (3.42 in) Depth: 127 mm (4.98 in)
Weight	3.0 lb (1.4 kg)
Free Spacing	Above & Below 40 mm (1.6 in) Left & Right 10 mm (0.39 in) Front 15 mm (0.59 in)



Terminals and Wiring

	Input Screw-Type Terminals	Output Screw-Type Terminals	DC-OK-Signal Screw-Type Terminals
Solid & Stranded Wire	2.5-6 mm ² 14-10 AWG	10.6-13 mm ² 7-6 AWG	0.14-2 mm ² 26-14 AWG
Screw Torque	4.4 lb-in (50 N-cm)	15.6 lb-in (176 N-cm)	1.7 lb-in (20 N-cm)

DeltaV Bulk Power Supply 100-240 V AC to 12V DC, 16A

Description	DeltaV Bulk AC to 12V DC, 16A Power Supply Specifications
Output Voltage	12V DC
Output Voltage Adjustment Range	11.5-15.5V DC
General Protection/Safety	Output is SELV (Safety Extra Low Voltage)
Output Current	16A 1.5 × Nominal Current for > 4 seconds minimum while holding voltage > 10V DC
Output Power	180 W 270 W for 4 seconds minimum while holding voltage > 10V DC
Output Ripple	Typ. < 100 mV peak-to-peak from 0Hz to 20MHz
Output Hold-up Time	>80ms (Full load, 100 V AC Input @ T =+25°C) to 95% output voltage
AC Input Voltage	100-240V nominal (85 – 264 V range)
AC Mains Frequency	43-67 Hz
AC Input Current	1.77 A at 85V AC 0.9 A at 264V AC
AC Power Factor Correction	Active power factor correction typ. 0.98 @ 115V AC/ 0.95 @ 230V AC
AC Inrush Current	Typ. <5.8A at 120V AC, < 12.7A at 230V AC, measured at 25°C, Typ. <5 milliseconds
AC Efficiency	> 86.5% typ.
AC Losses	24 W typ.
DC Input Voltage	100 – 340 V nominal (90-375 V range)
DC Input Current	1.77 A at 90V DC 0.9 A at 375V DC

Description	DeltaV Bulk AC to 12V DC, 16A Power Supply Specifications
Input Protection	Internally fused, non-replaceable fuses. Note: The internal fuse is for an internal fault condition only. Shorts and overload will not cause the fuse to fail.
Alarm Relay Contact Rating	N.O. contact rated 200mA/50V DC, Signal Active when Vout> 90% of output voltage
Dimensions	Height: 123 mm (4.85 in) Width: 60 mm (2.36 in) Depth: 110 mm (4.36 in)
Weight	1.76 lb (0.8 kg)
Free Spacing	Above & Below 25 mm (0.98 in) Left & Right 10 mm (0.39 in) Front 15 mm (0.59 in)

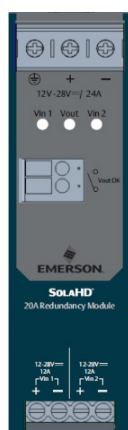


Terminals and Wiring

	Input Screw-Type Terminals	Output Screw-Type Terminals	DC-OK-Signal Screw-Type Terminals
Solid & Stranded Wire	1.5-6 mm ² 16-10 AWG	1.5-6 mm ² 16-10 AWG	1.5-6 mm ² 16-10 AWG
Screw Torque	4.4 lb-in (50 N-cm)	6 lb-in (68 N-cm)	6 lb-in (68 N-cm)

DeltaV Bulk Power Supply Redundancy Module, 12V DC to 28V DC, 20A

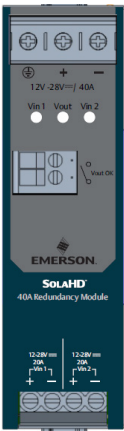
Description	Redundancy Module 12 to 28V DC, 20A Specifications
Input Voltage	12-28V DC
Input Voltage Range	10.8-30.8V DC
Nominal Input Current	2 x 10A, 1 x 20A (-40°C to +70°C) 2 x 12A, 1 x 24A (-40°C to +60°C) 2 x 12.5A, 1 x 25A (-40°C to +50°C) 2 x 13A, 1 x 26A (-40°C to +40°C)
Output Current	0-26 A continuous 26-50 A for 5 seconds 26 A continuous overload/short circuit
Input to Output Voltage Drop	0.2V Typical
Power Losses	0.5 mW at no load (typical) 0.64 mW at 2 x 5 A input (typical) 0.82 mW at 1 x 10 A input (typical) 2.08 W at 2 x 10 A input (typical)
Alarm Relay Contact Rating	N.O. DC OK Contact 60 V DC max @1A
Dimensions	Height: 123.2 mm (4.85 in) Width: 35 mm (1.38 in) Depth: 113.3 mm (4.46 in)
Weight	0.8 lb (0.36 kg)

**Terminals and Wiring**

	Input Screw-Type Terminals	Output Screw-Type Terminals	DC-OK-Signal Screw-Type Terminals
Solid & Stranded Wire	3.3-5.3 mm ² 12-10 AWG	8.4-13.3 mm ² 8-6 AWG	0.33-3.3 mm ² 22-12 AWG
Screw Torque	7 lb-inch (79.1 N-cm)	15.6 lb-in (176 N-cm)	4.4 lb-inch (49.7 N-cm)

DeltaV Bulk Power Supply Redundancy Module, 12V DC to 28V DC, 40A

Description	Redundancy Module 12 to 28V DC, 40A Specifications
Input Voltage	12-28V DC
Input Voltage Range	10.8-30.8V DC
Nominal Input Current	2 x 20A, 1 x 40A (-40°C to +70°C) 2 x 24A, 1 x 48A (-40°C to +60°C) 2 x 25A, 1 x 50A (-40°C to +50°C) 2 x 26A, 1 x 52A (-40°C to +40°C)
Output Current	0-40 A continuous 40-65 A for 5 seconds 40 A continuous overload/short circuit
Input to Output Voltage Drop	0.2V Typical
Power Losses	0.5 mW at no load (typical) 2.08 W at 2x 10 A input (typical) 2.32 W at 1x 20 A input (typical) 7.68 W at 2x 20 A input (typical)
Alarm Relay Contact Rating	N.O. DC OK Contact 60 V DC max @1A
Dimensions	Height: 123.2 mm (4.85 in) Width: 35 mm (1.38 in) Depth: 113.3 mm (4.46 in)
Weight	0.8 lb (0.36 kg)

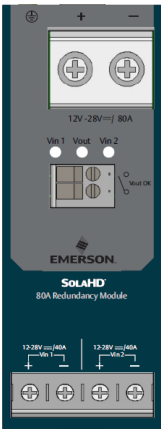


Terminals and Wiring

	Input Screw-Type Terminals	Output Screw-Type Terminals	DC-OK-Signal Screw-Type Terminals
Solid & Stranded Wire	3.3-5.3 mm ² 12-10 AWG	8.4-13.3 mm ² 8-6 AWG	0.33-3.3 mm ² 22-12 AWG
Screw Torque	7 lb-inch (79.1 N-cm)	15.6 lb-in (176 N-cm)	4.4 lb-inch (49.7 N-cm)

DeltaV Bulk Power Supply Redundancy Module, 12V DC to 28V DC, 80A

Description	Redundancy Module 12 to 28V DC, 80A Specifications
Input Voltage	12-28V DC
Input Voltage Range	10.8-30.8V DC
Nominal Input Current	2 x 35A, 1 x 70A (-40°C to +70°C) 2 x 40A, 1 x 80A (-40°C to +60°C) 2 x 42.5A, 1 x 85A (-40°C to +50°C) 2 x 45A, 1 x 90A (-40°C to +40°C)
Output Current	0-80 A continuous 80-120 A for 5 seconds 80 A continuous overload/short circuit
Input to Output Voltage Drop	0.2V Typical
Power Losses	1.18 mW at no load (typical) 4.88 W at 2x 20 A input (typical) 6.08 W at 1x 40 A input (typical) 14.24 W at 2x 40 A input (typical)
Alarm Relay Contact Rating	N.O. DC OK Contact 60 V DC max @1A
Dimensions	Height: 123.2 mm (4.85 in) Width: 46 mm (1.81 in) Depth: 117 mm (4.61 in)
Weight	1.1 lb (0.48 kg)



Terminals and Wiring

	Input Screw-Type Terminals	Output Screw-Type Terminals	DC-OK-Signal Screw-Type Terminals
Solid & Stranded Wire	8.4-13.3 mm ² 8-6 AWG	13.3-33.6 mm ² 6-2 AWG	0.33-3.3 mm ² 22-12 AWG
Screw Torque	15.6 lb-in (176 N-cm)	33.6 lb-in (380 N-cm)	4.4 lb-inch (49.7 N-cm)

Common Environmental Specifications for VE5139 and VE5140	
Operational Temperature*	-40** to + 70°C (-40 to 158°F) with linear derating to 50% power from 60 to 70°C No forced air required. Unit should be mounted on a vertical panel, with front label in proper orientation.
Storage Temperature	-40 to + 85°C (-40 to 185°F)
Relative Humidity	Up to 100% RH with condensation
Protection Rating	IP66/67
Shock	Operating: 4 g peak, 22 ms half-sine pulse (IEC 68-2-27) Non-operating: 30 g peak, 18 ms half-sine pulse (IEC 68-2-27)
Vibration	1 g non-operating swept sine over 10–500 Hz (IEC 60068-2-6) Non-operating random vibration test: 1.87 g over 10–500 Hz (IEC 60068-2-64). Operating random vibration test: 0.15 g over 5–100 Hz (IEC 60068-2-64)
Mounting	Chassis mounted using integral mounting tabs Recommended Screw Size: M4 x 0.7 Tightening Torque: 1N-m

*Operating any electronics at the higher end of its temperature range for long periods of time will shorten its expected lifetime, see **Effects of Heat and Airflow Inside an Enclosure White Paper** for more information.

** -25°C for Dual 3.8A model.

DeltaV Bulk Power Supply 100-240V AC to 24V DC, 3.8A, IP67

Description	DeltaV Bulk AC to 24V DC, 3.8A, IP67 Power Supply Specifications
AC Power Factor Correction	0.95
AC Inrush Current	Typ. <4.86A at 120V AC, < 7.38A at 230V AC, measured at 25°C, Typ. <5 milliseconds
AC Efficiency	> 80% typ.
AC Losses	12.9 – 22.7W typ.
DC Input Voltage	100 – 353V DC
DC Input Current	1.2A at 100 V DC 0.35A at 353 V DC
Output Voltage	24 V DC
Output Current	3.8A
Output Power	100 W
Output Ripple	Typ. < 50 mV peak-to-peak
Output Hold-up Time	> 50 ms (Full load, 100 Vac Input @ Tamb=+25°C) to 95% output voltage
AC Input Voltage	100-240V nominal (85 – 264 V range)
AC Mains Frequency	50/60 Hz
AC Input Current	1.6 A at 85 V AC 0.7 A at 264 V AC

Description	DeltaV Bulk AC to 24V DC, 3.8A, IP67 Power Supply Specifications
Fusing ■ Input ■ Output	Internally fused, non-replaceable fuses. Electronically current limited to meet NEC Class 2 per UL1310.
Case	IP66/67 versatile ingress protection.
Connections	An accessible disconnect device shall be installed external to the equipment. Input: 3-PIN IP67 molded plug (quick disconnect). Output: 4-PIN IP67 molded receptacle (quick disconnect). Use UL 758 wire rated min. 24 V, VW-1/FT-1, max. 3.05 m.
Dimensions	Height: 120.1 mm (4.73 in) Width: 177.8 mm (7.00 in) Depth: 45.7 mm (1.80 in)
Weight	2.2 lb (1.0 kg)
Free Spacing	0.39 in. (10 mm) all sides but base



DeltaV Bulk Power Supply 100-240 V AC to 24V DC, Dual 3.8A, IP67

Description	DeltaV Bulk AC to 24V DC, Dual 3.8A, IP67 Power Supply Specifications
Output Voltage	24V DC
Output Current	7.6A Total (3.8A max. per supply)
Output Power	2 X 100 W
Output Ripple	Typ. < 50 mV peak-to-peak
Output Hold-up Time	> 50 ms (Full load, 100 Vac Input @ Tamb=+25°C) to 95% output voltage
AC Input Voltage	100-240V nominal (85 – 264 V range)
AC Mains Frequency	50/60 Hz
AC Input Current	2.57A at 85V AC 0.82A at 264V AC
AC Power Factor Correction	0.95
AC Inrush Current	Typ. 8.8A at 120V AC, < 19.0A at 230V AC, measured at 25°C, Typ. <5 milliseconds
AC Efficiency	> 85% typ.
AC Losses	23.0 – 31.0W typ.
DC Input Voltage	100 – 353V DC
DC Input Current	2.4A at 100V DC 0.7A at 353V DC
Fusing ■ Input ■ Output	Internally fused, non-replaceable fuses. Electronically current limited to meet NEC Class 2 per UL1310
Case	IP66/67 versatile ingress protection.

Description	DeltaV Bulk AC to 24V DC, Dual 3.8A, IP67 Power Supply Specifications
Connections	An accessible disconnect device shall be installed external to the equipment. Input: 3-PIN IP67 molded plug (quick disconnect). Output: 4-PIN IP67 molded receptacle (quick disconnect). Use UL 758 wire rated min. 24 V, VW-1/FT-1, max. 3.05 m.
Dimensions	Height: 120.1 mm (4.73 in) Width: 177.8 mm (7.00 in) Depth: 83.0 mm (3.27 in)
Weight	3.3 lb (1.5 kg)
Free Spacing	1 in. (25 mm) all sides but base



Ordering Information

DeltaV Bulk Power Supplies	
Description	Model Number
DeltaV Bulk Power Supply 100-240 V AC to 24V DC, 5A	VE5138
DeltaV Bulk Power Supply 100-240 V AC to 24V DC, 10A	VE5123
DeltaV Bulk Power Supply 100-240 V AC to 24V DC, 20A	VE5126
DeltaV Bulk Power Supply 100-240 V AC to 24V DC, 40A	VE5128
DeltaV Bulk Power Supply 100-240 V AC to 12V DC, 16A	VE5237
DeltaV Bulk Power Supply Redundancy Module,12-28V, 20A	VE5134
DeltaV Bulk Power Supply Redundancy Module,12-28V, 40A	VE5135
DeltaV Bulk Power Supply Redundancy Module,12-28V, 80A	VE5136
DeltaV Bulk Power Supply 100-240 V AC to 24V DC, 5A, conformal coating	VE5122
DeltaV Bulk Power Supply 100-240 V AC to 24V DC, 10A, conformal coating	VE5124
DeltaV Bulk Power Supply 100-240 V AC to 24V DC, 20A, conformal coating	VE5127
DeltaV Bulk Power Supply 100-240 V AC to 24V DC, 40A, conformal coating	VE5129
DeltaV Bulk Power Supply 100-240 V AC to 12V DC, 16A, conformal coating	VE5221
DeltaV Bulk Power Supply Redundancy Module,12-28V, 20A, conformal coating	VE5131
DeltaV Bulk Power Supply Redundancy Module,12-28V, 40A, conformal coating	VE5132
DeltaV Bulk Power Supply Redundancy Module,12-28V, 80A, conformal coating	VE5133
DeltaV Bulk Power Supply 100-240 V AC to 24V DC, 3.8A, IP67	VE5139
DeltaV Bulk Power Supply 100-240 V AC to 24V DC, Dual 3.8A, IP67	VE5140

©2026, Emerson. All rights reserved.

The Emerson logo is a trademark and service mark of Emerson Electric Co. The DeltaV logo is a mark of one of the Emerson family of companies. All other marks are the property of their respective owners.

The contents of this publication are presented for informational purposes only, and while diligent efforts were made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available on request. We reserve the right to modify or improve the designs or specifications of our products at any time without notice.

Contact Us

🌐 www.emerson.com/contactus